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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 10/815,887 Confirmation No.: 9083
Applicant(s): Kunnari et al.
Filed: March 31, 2004
Art Unit: 2631
Examiner: N/A
Title: A Circuit Arrangement And A Method To Transfer Data On A
3-Level Pulse Amplitude Modulation (PAM-3) Channel.

Attorney Docket No.: 872.0182.U1(US)
Customer No.: 29,683

Commissioner For Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Information Disclosure Statement

(37 C.F.R. §1.97(c))

Sir:

The following information is being disclosed to the U.S. Patent and Trademark Office as information that may be material to the examination of the above-identified patent application.

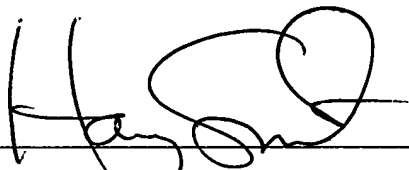
Applicant's Attorney is aware of the art cited on the attached Form PTO-1449. The documents were cited in a related International Search Report and Written Opinion. A copy of each Report is enclosed. Copies of the non-U.S. patents are enclosed with the Form PTO-1449 for the Examiner's use.

- ☒ Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement, or

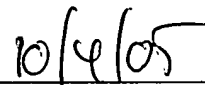
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The filing of this Statement is not to be construed as a representation that a search has been made regarding the claimed invention (37 C.F.R. §1.97(g)) or that no other possible material information exists. In addition, the filing of this Statement is not to be construed to be an admission that the information cited in the Statement is, or is considered to be, material to patentability (37 C.F.R. §1.97(h)).

Respectfully submitted,



Harry F. Smith (Reg. No. 32,493)



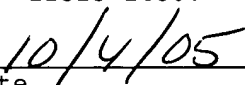
Date

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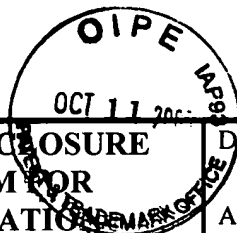
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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail on the date shown below in an envelope addressed to: Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450.


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Ann Okrentowich



**INFORMATION DISCLOSURE
CITATION FORM FOR
PATENT APPLICATION
(FORM PTO-1449)
(Substitute)**

Docket No.: 872.0182.U1(US)

Serial No.: 10/815,887

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Group: 2631

U.S. PATENT DOCUMENTS

Examiner Initials	Document Number (Number-Kind Code)	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant	Class	Sub-class
	US-2003/0152154 A1 US- US- US- US- US- US- US- US- US- US- US-	08-14-2003	Johnson	375	259

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Examiner Initials	Document Number (Country Code-Number-Kind Code)	Publication Date (MM-DD-YYYY)	Name Of Patentee of Applicant	Translation? Yes/No/n/a
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OTHER DOCUMENTS (Author (Capitalize), Title, Date, Pages, Etc., if known)

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	YANG, C-K K. et al., "Analysis of Timing Recovery for Multi-Gbps PAM Transceivers", September 21-24 2003, Custom Integrated Circuits Conference, pgs. 67-72

Examiner's Signature:

Date Considered:

Initial if reference was considered, whether or not citation is in conformance with MPEP. Mark through citation if not considered.

Include a copy of this citation form with your next correspondence to the Applicant(s).